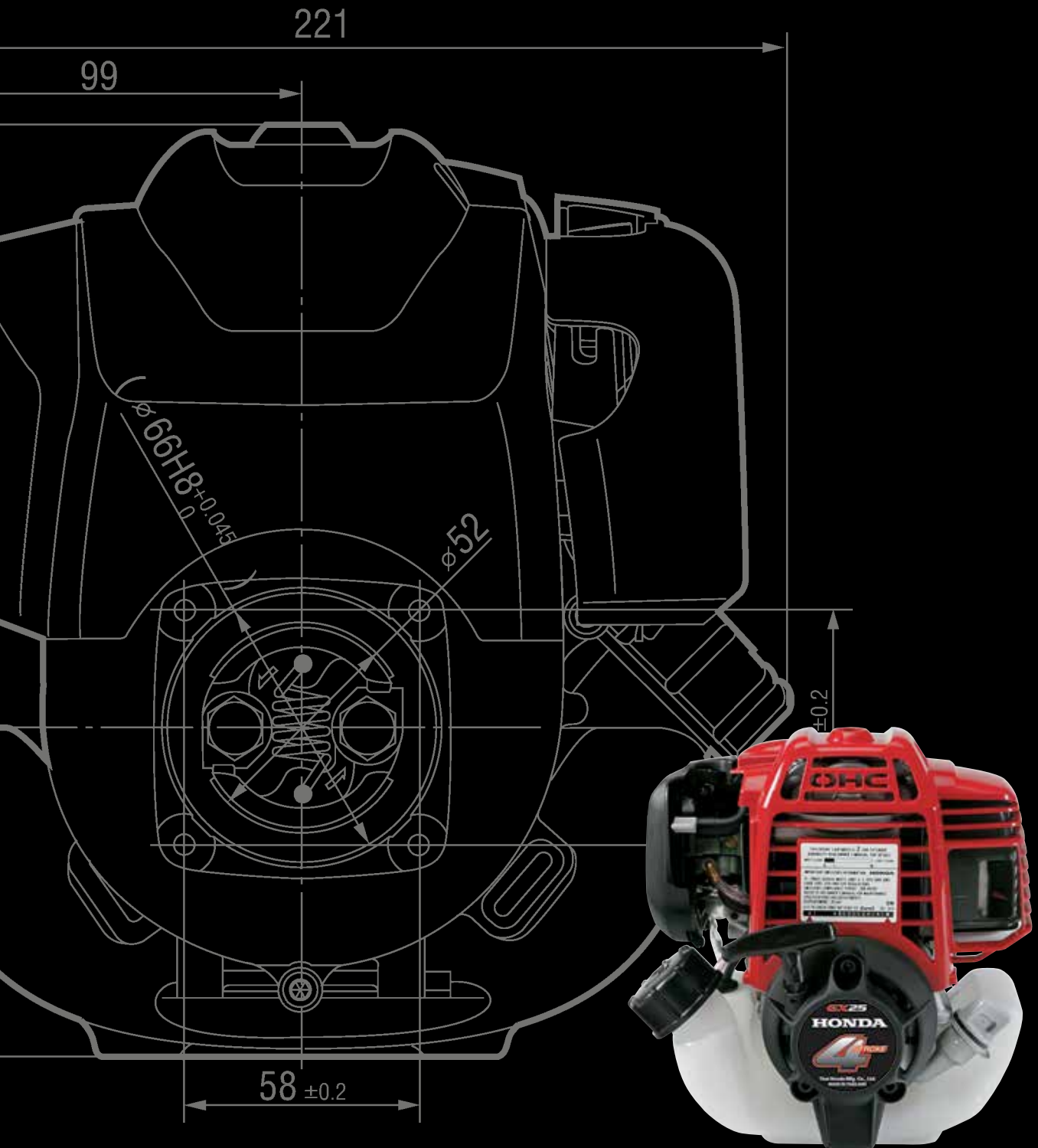
HONDA

Mini 4-Stroke Engines



GENUINE HONDA

Top Left to Right:
Honda CRF450R,
Honda Accord Sport 2.0T

Above: *Honda Humanoid Robot*

Below: *Honda BF250 Outboard*

Right: *HondaJet*

There are many reasons to insist on genuine Honda Engines. As the world's largest engine manufacturer, Honda offers more engine experience than anyone. Experience born on racetracks and roadways around the globe. Experience that keeps us on the cutting edge of engine performance technology and crosses our entire product line. From automobiles, race cars, motorcycles and all-terrain vehicles to marine engines, power equipment products and general-purpose engines, Honda is committed to designing products that meet or exceed the demands of our customers across the board. Based on the wide variety of products offered with our Honda Engines, we're experts at matching the right engine for the right job and producing engines that will "get the job done."

Throughout our history, Honda has been dedicated to technological and environmental innovation, and today is no different. After all, we have a legendary reputation to live up to. A reputation for unsurpassed quality, performance and reliability. A reputation worth considering the next time you're in the market for an engine.

Net Power

The SAE J1349 standard measures net horsepower with the manufacturer's production muffler and air cleaner in place. Net horsepower more closely correlates with the power the operator will experience when using a Honda Engine powered product. The power rating of the engines indicated in this document is the net power output tested on a production engine for the model noted and measured at the rpm specified. Mass production engines may vary from this value. Actual power output for the engine installed in the final machine will vary depending on numerous factors, including the operation speed of the engine in application, environmental conditions, maintenance and other variables.

Make light work of hard tasks with the world's lightest OHC engine.

Honda has applied its superior engine technology and decades of automotive, motorcycle and power equipment experience to create the world's first 360° inclinable 4-Stroke engines. Designed with Honda's ingenious Mini 4-Stroke technology, each engine efficiently delivers a powerful, quiet, cleaner performance. Its low vibration reduces work fatigue, making it the ideal powerplant for an incredible array of applications – from hand-held and portable equipment including brush cutters, mowers and pumps, to hobbyist applications such as radio-controlled vehicles. The revolutionary Honda Mini 4-Stroke can enhance the attractiveness, quality and value of almost any product.

Full 360° "Any-Side-Up" Operation

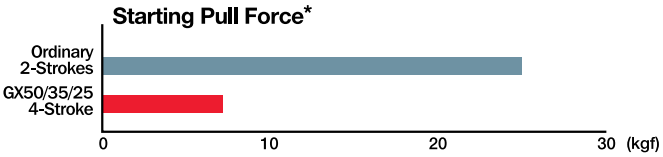
The innovative design of Honda's Mini 4-Stroke allows it to be used and stored in any position – upright, sideways, even upside down – for a full 360° of usability. An exclusive Honda rotary-slinger lubrication system keeps oil in a completely misted state and circulates it using pressure fluctuations generated by the movement of the piston. Built-in passages effectively return the circulated oil to the oil reservoir from every part of the engine, and an oil return port positioned in the center of the reservoir prevents oil from accidentally flowing into the combustion chamber.

Robust Power & Quick Throttle Response

An efficient new port configuration and large-diameter valves help maximize the power output of the OHC configuration for satisfyingly robust performance. A lighter, more rigid valvetrain helps extend the engine's superior 4-Stroke performance throughout its entire speed range, while a new carburetor equipped with an accelerator pump allows consistently fast, easy acceleration.

Quick, Easy Starts Even After Long Storage

A new exhaust decompression system and precise 4-Stroke intake and exhaust control help to ensure considerably easier, more natural-feeling recoil starting.

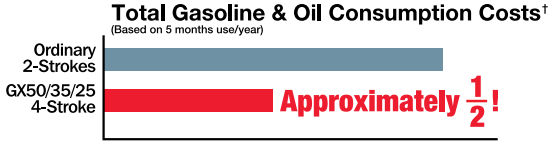


Low Noise & Vibration

In addition to the milder operating noise of 4-Stroke engines in general, the Super Mini 4-Stroke's belt-driven OHC design further reduces unpleasant mechanical noise, while its lighter piston and other moving parts help keep vibration to a comfortable minimum.

Clean Burning Performance

Honda's environmentally conscious technology results in significantly lower HC and NOx emissions compared to 2-stroke engines.



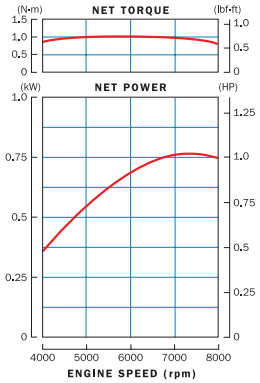
Reduced Fuel & Oil Consumption

Efficient 4-Stroke technology not only offers superior fuel economy, it also requires no mixing of oil in the engine's fuel supply, thus substantially reducing both oil consumption and the emission of unburned oil in the exhaust. The results include better all-around environmental performance and operating costs that actually decrease the more the engine is used!

**Honda Internal Testing. Conditions: Start up pull load, peak value, about kg listed. Content and specifications subject to change without notice.*
†Honda Internal Testing. Content and specifications subject to change without notice.

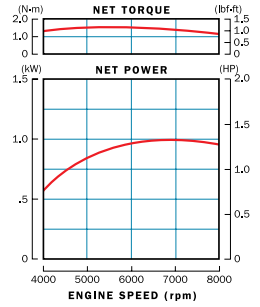
GX25

Engine Type	4-Stroke, OHC, single cylinder
Bore x Stroke	1.4" x 1.0" (35 x 26 mm)
Displacement	1.5 cu in (25 cm3)
Compression Ratio	8.0 : 1
Net Power*	1.0 hp (.72 kW) at 7,000 rpm
Net Torque*	0.74 lbs ft (1.0 Nm) at 5,000 rpm
Operating Angle	Infinite
Ignition System	Transitorized Magneto
Starting System	Recoil Starter
Carburetor	Diaphragm type
Lubrication System	Oil mist
Cooling System	Forced-air
Air Cleaner	Semi-dry type
Oil Capacity	2.7 US oz (80 cc)
Fuel Tank Capacity (liter)	0.14 US gal (0.55 l)
Dimensions (L x W x H)	7.6" (192 mm) x 8.7" (221 mm) x 9.1" (230 mm)
Dry Weight	6.4 lbs (2.90 kg)



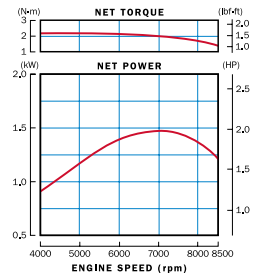
GX35

Engine Type	4-Stroke, OHC, single cylinder
Bore x Stroke	1.5" x 1.2" (39 x 30 mm)
Displacement	2.2 cu in (35.8 cm3)
Compression Ratio	8.0 : 1
Net Power*	1.3 hp (1.0 kW) at 7,000 rpm
Net Torque*	1.2 lbs ft (1.6 Nm) at 5,500 rpm
Operating Angle	Infinite
Ignition System	Transitorized Magneto
Starting System	Recoil Starter
Carburetor	Diaphragm type
Lubrication System	Oil mist
Cooling System	Forced-air
Air Cleaner	Semi-dry type
Oil Capacity	3.4 US oz (100 cc)
Fuel Tank Capacity (liter)	0.17 US gal (0.65 l)
Dimensions (L x W x H)	8.0" (204 mm) x 9.2" (234 mm) x 9.4" (230 mm)
Dry Weight	7.6 lbs (3.46 kg)



GX50

Engine Type	4-Stroke, OHC, single cylinder
Bore x Stroke	1.7" x 1.3" (43 x 33 mm)
Displacement	2.9 cu in (47.9 cm3)
Compression Ratio	8.0 : 1
Net Power*	2.0 hp (1.47 kW) at 7,000 rpm
Net Torque*	1.6 lbs ft (2.2 Nm) at 5,500 rpm
Operating Angle	Infinite
Ignition System	Transitorized Magneto
Starting System	Recoil Starter
Carburetor	Diaphragm type (overflow return)
Lubrication System	Crankcase pressure-driven
Cooling System	Forced-air
Air Cleaner	Dry Paper
Oil Capacity	3.4 US oz (100 cc)
Fuel Tank Capacity (liter)	0.17 US gal (0.65 l)
Dimensions (L x W x H)	7.8" (199 mm) x 10.2" (260 mm) x 10.4" (263 mm)
Dry Weight	9.1 lbs (4.15 kg)



* The power rating of the engines indicated in this document measures the net power output at 3600 rpm (7000 rpm for model GXH50, GXV50, GX25 and GX35) and net torque at 2500 rpm, as tested on a production engine. Mass production engines may vary from this value. Actual power output for the engine installed in the final machine will vary depending on numerous factors, including the operating speed of the engine in application, environmental conditions, maintenance and other variables.

Specifications are subject to change without notice.

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